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(54) Title: ALKALI-FREE GLASS

(57) Abstract: A subject for the invention is to provide an alkali-free glass which is capable of reducing or totally eliminating  $As_2O_3$  and which has fewer bubble inclusion than that in the prior technology. The invention relates to an alkali-free glass which comprises  $SiO_2$  in an amount of from 40 to 70% by weight;  $Al_2O_3$  in an amount of from 6 to 25% by weight;  $B_2O_3$  in an amount of from 5 to 20% by weight;  $MgO$  in an amount of from 0 to 10% by weight;  $CaO$  in an amount of from 0 to 15% by weight;  $BaO$  in an amount of from 0 to 30% by weight;  $SrO$  in an amount of from 0 to 10% by weight;  $ZnO$  in an amount of from 0 to 10% by weight, each based on the total amount of said glass, and helium and/or neon in an amount of from 0.000:1 to  $2 \mu\text{m}^3/\text{g}$  ( $0^\circ\text{C}$ , 1 atm.).

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